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ABSTRACT

A differential having pinion bearings supported on the input yoke is provided. The differential includes a housing having an opening through which a pinion shaft extends. The input yoke is disposed about a portion of the pinion shaft and one or both pinion bearing sets are then disposed about the input yoke. This configuration reduces pinion standout and allows for installation of a pre-assembled bearing pack (i.e., without spacers or shims), but does not reduce the length of the splines on the input yoke or bearing capacity.

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